

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the instant application:

Listing of Claims:

1. (Currently Amended) A process for preparing polymeric nanoparticles comprising adding a solvent and reactants to a vessel and reacting said reactants to form crosslinked polymeric nanoparticles; wherein the reactants comprise monomers selected from alkyl (meth)acrylates, alicyclic (meth)acrylates, (meth)acrylamides, vinyl acetates, alkenyl (meth)acrylates, aryl (meth)acrylates, alkylaryl (meth)acrylates, amine containing (meth)acrylates, phosphorous containing (meth)acrylates, sulfur containing (meth)acrylates, vinyl aromatic monomers, (meth)acrylic acid, substituted ethylene monomers and combinations thereof; wherein the reactants also comprise a crosslinker; wherein said polymeric nanoparticles have a mean particle diameter of from 1 to 50 nm; 1 to 200 nm and wherein the process is emulsion free and wherein the process yields a solids level of polymeric nanoparticles equal to or greater than 45 weight % 30 weight %.

2. (Original) The process according to claim 1 wherein the process is selected from the group consisting of a batch process, a semi continuous process, and a continuous process.

3. (Original) The process according to claim 1 wherein the process is selected from the group consisting of solution polymerization, dispersion polymerization, suspension polymerization, and precipitation polymerization.

4. (Currently Amended) The process according to claim 1 wherein the reactants are added to the vessel comprising adding the reactants to the reaction mixture in at least two aliquots.

5. (Currently Amended) The process according to claim 1 comprising wherein the reactants further comprise reactants selected from the group consisting of monomers and functional polymers comprising reactive groups.

6. (Currently Amended) The process according to claim 1 comprising reactants selected from the group consisting of organic materials, wherein the reactants further comprise inorganic materials and mixtures thereof.

7. (Cancelled)

8. (Cancelled)

9. (Original) The process according to claim 1 wherein prior to completion of the adding of the reactants there is a time interval where no reactant is being fed.

10. (Currently Amended) The process according to claim 9 wherein the time interval is 30 seconds to 8 hours 1 second or more.

11. (New) The process according to claim 1, wherein the reaction temperature is between -30°C and 150°C.

12. (New) The process according to claim 1, wherein the process is selected from a solution polymerization, dispersion polymerization, suspension polymerization and a precipitation polymerization.